

# MEMORANDUM



**Date:** June 5, 2007

**To:** Honorable Chairman Bruno A. Barreiro  
and Members, Board of County Commissioners

Agenda Item No. 8(R)3d

**From:** George W. Purdess  
County Manager

A handwritten signature in black ink, appearing to read "G. Purdess", written over the printed name of the County Manager.

**Subject:** Request to Advertise for the Installation of Approx. 4600 L.F. of 10" and 12" F.M. from P.S. 427 to the 16" F.M. at intersection of NW 191 Street and NW 37 Avenue: Contract No: S-827

## Recommendation

This request to initiate and advertise for Construction Contract No: S-827 has been prepared by the Miami-Dade Water and Sewer Department (MDWASD) and is recommended for approval. The project consists of installing a new force main to carry increased flows of sewage discharged from Pump Station No. 427.

## Scope

**PROJECT NAME:** Installation of Approx. 4600 L.F. of 10" and 12" F.M. From P.S. 427 to the 16" F.M. at Intersection of NW 191 St. and NW 37 Avenue

**PROJECT NO:** N/A

**CONTRACT NO:** Contract No. S-827

**PROJECT DESCRIPTION:** This Project consists of constructing a 12-inch and 10-inch diameter sanitary sewer force main from Pump Station No. 427 located at 2790 NW 191st Street to a 16-inch force main located at the intersection of NW 191 Street and NW 37 Avenue, in the City of Miami Gardens, in Miami-Dade County, Florida.

The project includes, but it is not limited to furnishing and installing the following: approximately 2,500 linear feet of 12-inch, 2,000 linear feet of 10-inch, and 120 linear feet of 8-inch ductile iron pipe and fittings; 8-inch, 10-inch and 12-inch valves, and automatic air release valve assemblies. Also, part of the project is cleaning and testing the main; traffic control; temporary and permanent paving repairs; replacing pavement markings; constructing concrete sidewalk; restoration of sodded areas, and all other appurtenant and miscellaneous items and work for a complete installation.

It is MDWASD's intent to obtain a complete functional, and satisfactory installation under this project, and any items of labor,

equipment or materials which may be reasonably assumed as necessary to accomplish this end shall be supplied whether or not they are specifically shown on the plans or stated in the specifications. The Contractor shall provide all sheeting, shoring, bracing and all other labor, material or equipment required to preclude damage to, or loss of functionality of, any existing facility or system.

**PROJECT LOCATION:** Intersection of NW 191 Street and NW 37 Avenue, in the City of Miami Gardens, in Miami-Dade County, Florida.

**PRIMARY COMMISSION DISTRICT:** Barbara J. Jordan, District 1

**APPROVAL PATH:** Board of County Commissioners

**USING DEPARTMENT:** Miami-Dade Water and Sewer Department

**MANAGING DEPARTMENT:** Miami-Dade Water and Sewer Department

**Fiscal Impact / Funding Source**

**FUNDING SOURCE:** WASD Revenue Bonds Sold and Wastewater Connection Charges

**PTP FUNDING:** No

**GOB FUNDING:** No

**CAPITAL BUDGET PROJECT:**

**RTA  
ESTIMATE**

9651071 - PUMP STATION IMPROVEMENTS PROGRAM  
Book Page: 36 of 82 Funding Year: 2006-2007 \$1,250,000.00

**PROJECT TECHNICAL CERTIFICATION REQUIREMENTS:** One of the following licenses is required: General Engineering, State Underground, Pipeline and/or other categories as applicable by Chapter 489 of the Florida Statutes or Chapter 10 of Miami-Dade County Code.

**ESTIMATED CONTRACT PERIOD:** 180 consecutive calendar days

**ESTIMATED CONTINGENCY PERIOD:** 18 additional consecutive calendar days

**IG FEE INCLUDED IN BASE CONTRACT:** Yes

**ART IN PUBLIC PLACES:** No

**BASE ESTIMATE:** \$1,107,000.00

<b>CONTINGENCY ALLOWANCE (SECTION 2-8.1 MIAMI DADE COUNTY CODE):</b>	<b>TYPE</b>	<b>PERCENT</b>	<b>AMOUNT</b>	<b>COMMENT</b>
	Infrastructure	10%	\$110,000	

**PERMIT FEES :** \$33,000 3.00%

**TOTAL DEDICATED ALLOWANCE:** \$33,000

**COST ESTIMATE:** \$1,250,000

**EXPLANATION:** Install a new force main to carry increased flows of sewage discharged from Pump Station No. 427.

**MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS:** No

**REVIEW COMMITTEE:** **MEETING DATE:** 2/28/2007 **SIGNOFF DATE:**

**RESPONSIBLE WAGES:** Yes

<b>REVIEW COMMITTEE ASSIGNED CONTRACT MEASURES:</b>	<b>MEASURE</b>	<b>GOAL</b>	<b>COMMENT</b>
	CSBE	3%	
	CWF	10%	

**MANDATORY CLEARING HOUSE:** Yes

**CONTRACT MANAGER NAME/PHONE/EMAIL:** Nzeribe Ihekwa (305) 669-76594 NZERIBE@miamidade.gov

**PROJECT MANAGER NAME/PHONE/EMAIL:** Alma M. Santiago, P.E. (786)552-8243 AS1@miamidade.gov

**Background**

Pump Station No. 427 is under a conditional moratorium imposed by the Environmental Protection Agency (EPA) to prevent sewage overflows due to increased flows. In order to remove this moratorium, MDWASD needs to increase the capacity of the station by installing larger pumps. Once they are installed, the increased discharge capacity will need this new force main to carry the flow into a larger transmission line.

BUDGET APPROVAL  
FUNDS AVAILABLE:

  
Jennifer Glazer-Moon  
OSBM DIRECTOR

4-26-07  
DATE

JS

  
Roger Carlton  
ASSISTANT COUNTY  
MANAGER

4/24/07  
DATE

APPROVED AS TO LEGAL SUFFICIENCY:

  
David Murray  
COUNTY ATTORNEY

4-20-07  
DATE

INSTALLATION OF APPROX. 4600 L.F. OF 10" AND 12" F.M. FROM P.S. 427 TO THE 16"  
F.M. AT INTERSECTION OF NW 191 ST. AND NW 37 AVE.

CONTRACT NO: S-827

**BUDGET PROJECT AND  
DESCRIPTION:**

9651071-PUMP STATION IMPROVEMENTS PROGRAM  
Book Page: 36 of 82 Funding Year: 2006-2007

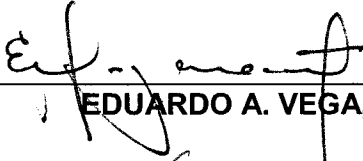
**FUNDING SOURCE:**

WASD Revenue Bonds Sold and Wastewater Connection  
Charges


**INDEX CODES:**

S047801, Fund EW643

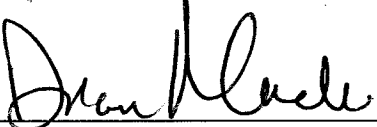
**ASSISTANT DIRECTOR,  
ENGINEERING:**

 4/17/07  
\_\_\_\_\_  
EDUARDO A. VEGA, PE DATE


**DEPT BUDGET OFFICER:** *CWM*

 4/19/07  
\_\_\_\_\_  
PEDRO VELAR DATE

**ASSISTANT DIRECTOR,  
FINANCE:**

 4/19/07  
\_\_\_\_\_  
DIANE CAMACHO DATE

**DEPUTY DIRECTOR,  
OPERATIONS:**

 4/26/07  
\_\_\_\_\_  
JOSEPH A. RUIZ, JR. DATE



Dept. of Business Development  
Project Worksheet

Project/Contract Title: INSTALLATION OF APPROX. 4600 L.F. OF 10" AND 12" F.M. FROM P.S. 427 TO THE 16" F.M. AT INTERSECTION OF NW 191 ST. AND NW 37 AVE. (SIC 16)

RC Date: 02/28/2007  
3-04

Project/Contract No: S-827

Funding Source:

Item No:

Department: WATER & SEWER DEPARTMENT

WASD SEWER REVENUE

Estimated Cost of Project/Bid: \$1,250,000.00

BONDS SOLD

Resubmittal Date(s):

Description of Project/Bid: THE PROJECT CONSISTS OF CONSTRUCTING A 36-INCH DIAMETER SANITARY SEWER FORCE MAIN ALONG 157TH AVENUE FROM THE NORTH BANK OF CANAL C-1W (APPROXIMATELY 112TH AVENUE) TO HAMMOCKS BOULEVARD, IN THE COUNTRY WALK AREA, IN MIAMI-DADE, FLORIDA. THIS NEW FORCE MAIN WILL RELIEF THE PRESSURE OF THE PUMPS IN THAT AREA, MAKING THEM WORK EFFICIENTLY.

Contract Measures Recommendation

Measure	Program	Goal Percent
Goal	CSBE	3.04%
Workforce Goal	CWP	10.00%

Reasons for Recommendation

An analysis of the factors contained in Section VI C of Administrative Order 3-22 indicate that a 3% goal is appropriate in the trades of Pavement Marking (Painting and Wall Covering Contractors), Limerock Base (Highway and Street Construction), and concrete sidewalk restoration (concrete).

The Designated Target Areas applicable to this project are the Central Enterprise Zone, Carol City Targeted Urban Area and Carol City 1 CDBG.

CWP Estimated Workforce: 20

CWP Workforce Recommendation: 2

CWP Designated Target Areas: CDBG Eligible Block Groups, Target Urban Areas

Analysis for Recommendation of a Goal

Subtrade	Cat.	Estimated Value	% of Items to Base Bid	Availability
Concrete Contractors	CSBE	\$2,000.00	0.16%	20
Painting and Wall Covering Contractors	CSBE	\$8,000.00	0.64%	6
Highway and Street Construction	CSBE	\$28,000.00	2.24%	26
Total		\$38,000.00	3.04%	

Living Wages: YES ☐ NO ☒

Highway: YES ☐ NO ☒

Heavy Construction: YES ☒ NO ☐

Responsible Wages: YES ☒ NO ☐

Building: YES ☐ NO ☒

Ordinance 90-143 is applicable to all construction projects over \$100,000 that do not utilize Federal Funds

REVIEW COMMITTEE RECOMMENDATION

Tier 1 Set Aside \_\_\_\_\_

Set Aside \_\_\_\_\_ Level 1 \_\_\_\_\_ Level 2 \_\_\_\_\_ Level 3 \_\_\_\_\_

Trade Set Aside (MCC) \_\_\_\_\_ Goal 3% CSBE / 10% CWP Bid Preference \_\_\_\_\_

No Measure \_\_\_\_\_ Deferred \_\_\_\_\_ Selection Factor \_\_\_\_\_

Chairperson, Review Committee

Date

County Manager

Date

Miami-Dade Water and Sewer Department  
 2006 - 2012 CAPITAL BUDGET / MULTI - YEAR PLAN  
 WASTEWATER PROJECTS  
 1015. PUMP STATION IMPROVEMENTS PROGRAM  
 Commission District(s) COUNTYWIDE

Prior		Projections									
Budget/	Prior to	FY	Total	FY	FY	FY	FY	FY	FY	FY	Bond
Estimate Cost	2005 - 2006	2005 - 2006	Prior	2006 - 2007	2007 - 2008	2008 - 2009	2009 - 2010	2010 - 2011	2011 - 2012	Future	Revenue Code Fund Issue

10090 S PUMP STATION IMPROVEMENTS PROGRAM - TOTAL FOR FUND 67

Commission District(s) COUNTYWIDE											
Sub-Project Budget / Estimated	11,761,729										
REVENUES											
TOTAL	11,761,729	0	11,761,729	0	0	0	0	0	0	0	914 EW643 F 1997
EXPENDITURES	11,761,729	0	11,761,729	0	0	0	0	0	0	0	914 EW643 F 1997
TOTAL	3,637,472	5,058,585	8,696,057	2,774,236	291,436	0	0	0	0	0	914 EW643 F 1997
	3,637,472	5,058,585	8,696,057	2,774,236	291,436	0	0	0	0	0	914 EW643 F 1997

101002 S PUMP STATION IMPROVEMENTS PROGRAM - TOTAL FOR FUND 47

Commission District(s) COUNTYWIDE											
Sub-Project Budget / Estimated	11,603,017										
REVENUES											
TOTAL	11,603,017	0	11,603,017	0	0	0	0	0	0	0	521 EW623 F PLTEX
EXPENDITURES	11,603,017	0	11,603,017	0	0	0	0	0	0	0	521 EW623 F PLTEX
TOTAL	7,605,349	2,422,359	10,027,708	1,575,309	0	0	0	0	0	0	521 EW623 F PLTEX
	7,605,349	2,422,359	10,027,708	1,575,309	0	0	0	0	0	0	521 EW623 F PLTEX

101191 S PUMP STATION IMPROVEMENTS PROGRAM - TOTAL FOR FUND 69

Commission District(s) COUNTYWIDE											
Sub-Project Budget / Estimated	23,318,330										
REVENUES											
TOTAL	23,318,330	0	23,318,330	0	0	0	0	0	0	0	973 EW644 F 1999A
EXPENDITURES	23,318,330	0	23,318,330	0	0	0	0	0	0	0	973 EW644 F 1999A
TOTAL	3,643,444	6,729,809	10,373,253	8,634,708	4,310,369	0	0	0	0	0	973 EW644 F 1999A
	3,643,444	6,729,809	10,373,253	8,634,708	4,310,369	0	0	0	0	0	973 EW644 F 1999A

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**STRATEGIC AREA:** Neighborhood and Unincorporated Area Municipal Services  
**DEPARTMENT:** Water and Sewer

\*\*\*\*\* FUNDED PROJECTS \*\*\*\*\*  
(dollars in thousands)

**PUMP STATION GENERATORS AND MISCELLANEOUS UPGRADES**

**PROJECT # 9652002**

**DESCRIPTION:** Install emergency generators and construct miscellaneous upgrades at wastewater pump stations

**LOCATION:** Systemwide  
Systemwide

**DISTRICT LOCATED:** Systemwide  
**DISTRICT(S) SERVED:** Systemwide

**ESTIMATED ANNUAL OPERATING IMPACT:** Minimal

<b>REVENUE SCHEDULE:</b>	<b>PRIOR</b>	<b>2006-07</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>FUTURE</b>	<b>TOTAL</b>
WASD Revenue Bonds Sold	2,538	0	0	0	0	0	0	0	2,538
Future WASD Revenue Bonds	0	0	0	13,800	0	0	4,000	0	17,800
<b>TOTAL REVENUE:</b>	<b>2,538</b>	<b>0</b>	<b>0</b>	<b>13,800</b>	<b>0</b>	<b>0</b>	<b>4,000</b>	<b>0</b>	<b>20,338</b>
<b>EXPENDITURE SCHEDULE:</b>	<b>PRIOR</b>	<b>2006-07</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	206	12	13	356	596	303	121	243	1,850
Construction	2,056	121	130	3,561	5,954	3,030	1,212	2,424	18,488
<b>TOTAL EXPENDITURES:</b>	<b>2,262</b>	<b>133</b>	<b>143</b>	<b>3,917</b>	<b>6,550</b>	<b>3,333</b>	<b>1,333</b>	<b>2,667</b>	<b>20,338</b>

**PUMP STATION IMPROVEMENTS PROGRAM**

**PROJECT # 9651071**

**DESCRIPTION:** Upgrade pump stations systemwide to meet forecasted demands

**LOCATION:** Systemwide  
Systemwide

**DISTRICT LOCATED:** Systemwide  
**DISTRICT(S) SERVED:** Systemwide

**ESTIMATED ANNUAL OPERATING IMPACT:** Minimal

<b>REVENUE SCHEDULE:</b>	<b>PRIOR</b>	<b>2006-07</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>FUTURE</b>	<b>TOTAL</b>
Wastewater Connection Charges	11,603	0	0	0	0	0	0	0	11,603
WASD Revenue Bonds Sold	35,080	0	0	0	0	0	0	0	35,080
Future WASD Revenue Bonds	0	0	0	20,000	0	0	24,000	0	44,000
<b>TOTAL REVENUE:</b>	<b>46,683</b>	<b>0</b>	<b>0</b>	<b>20,000</b>	<b>0</b>	<b>0</b>	<b>24,000</b>	<b>0</b>	<b>90,683</b>
<b>EXPENDITURE SCHEDULE:</b>	<b>PRIOR</b>	<b>2006-07</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	2,648	1,182	419	335	726	759	1,150	1,034	8,253
Construction	26,449	11,802	4,183	3,341	7,255	7,584	11,490	10,326	82,430
<b>TOTAL EXPENDITURES:</b>	<b>29,097</b>	<b>12,984</b>	<b>4,602</b>	<b>3,676</b>	<b>7,981</b>	<b>8,343</b>	<b>12,640</b>	<b>11,360</b>	<b>90,683</b>